

Group	Subgroup	Family	Species	Common name	GSMNP	Southern	TSN	Source
Plants	Bryophytes	Aneuraceae	<i>Aneura sharpii</i>	Rau's spur moss	x	x	[1]	
Plants	Bryophytes	Dicranaceae	<i>Oncophorus raeui</i>			x	16927	[1]
Plants	Bryophytes	Fissidentaceae	<i>Fissidens appalachensis</i>	Appalachian pocket moss	x	x	[1]	
Plants	Bryophytes	Gymnomitriaceae	<i>Nardia scalaris</i> ssp. <i>botryoidea</i>		x	x	[1]	
Plants	Bryophytes	Hylocomiaceae	<i>Leptohymenium sharpii</i>	Mount Leconte Moss		x	547886	[1]
Plants	Bryophytes	Lejeuneaceae	<i>Drepanolejeunea appalachiana</i>			x	15297	[1]
Plants	Bryophytes	Lejeuneaceae	<i>Lejeunea blomquistii</i>	Blomquist leafy liverwort		x		
Plants	Bryophytes	Lejeuneaceae	<i>Lejeunea ruthii</i>			x		
Plants	Bryophytes	Lepidoziaceae	<i>Bazzania nudicaulis</i>	a liverwort	x	x	14362	[1]
Plants	Bryophytes	Leucobryaceae	<i>Campylopus tallulensis</i>			x		
Plants	Bryophytes	Lophocoleaceae	<i>Chiloscyphus appalachianus</i>			x		[1]
Plants	Bryophytes	Mniaceae	<i>Plagiommium carolinianum</i>	Carolina star-moss		x	547960	[1]
Plants	Bryophytes	Plagiochilaceae	<i>Plagiochila cadiociliata</i>	gorge leafy liverwort		x	14611	[1]
Plants	Bryophytes	Plagiochilaceae	<i>Plagiochila sulcifolia</i>			x		
Plants	Bryophytes	Polytrichaceae	<i>Polytrichum appalachianum</i>			x	1134564	[1]
Plants	Bryophytes	Pottiaceae	<i>Tortula ammonsiana</i>	Ammon's screw-moss		x	548138	[1]
Plants	Bryophytes	Radulaceae	<i>Radula sullivantii</i>	a liverwort		x	15161	[1]
Plants	Bryophytes	Scapaniaceae	<i>Diplophyllum andrewsii</i>	a liverwort	x	x	15041	[1]
Plants	Conifers	Pinaceae	<i>Abies fraseri</i>	Fraser fir		x		
Plants	Ferns	Hymenophyllaceae	<i>Hymenophyllum tayloriae</i>	Taylor's filmy fern		x		[16]
Plants	Flowering plants	Asteraceae	<i>Krigia montana</i>	mountain dwarfdandelion		x		
Plants	Flowering plants	Asteraceae	<i>Nabalus roanensis</i>			x		
Plants	Flowering plants	Asteraceae	<i>Rugelia nudicaulis</i>	Rugel's ragwort		x		
Plants	Flowering plants	Asteraceae	<i>Solidago glomerata</i>	skunk goldenrod, clustered goldenrod		x	36260	[1]
Plants	Flowering plants	Brassicaceae	<i>Cardamine clematitis</i>	small mountain bittercress		x		
Plants	Flowering plants	Brassicaceae	<i>Cardamine flagellifera</i>	Blue Ridge bittercress		x		
Plants	Flowering plants	Cyperaceae	<i>Carex fraseriana</i>	Fraser's sedge		x		
Plants	Flowering plants	Cyperaceae	<i>Carex fumosimontana</i>	Smoky Mountain sedge		x		
Plants	Flowering plants	Cyperaceae	<i>Carex misera</i>			x		
Plants	Flowering plants	Cyperaceae	<i>Carex ruthii</i>			x		
Plants	Flowering plants	Ericaceae	<i>Monotropsis odorata</i>	sweet pinesap		x		
Plants	Flowering plants	Ericaceae	<i>Vaccinium hirsutum</i>	hairy blueberry		x		
Plants	Flowering plants	Ericaceae	<i>Rhododendron smokianum</i>	Great Smoky Mountain rhododendron	x	x		[1]
Plants	Flowering plants	Fabaceae	<i>Robinia hispida</i> var. <i>kelseyi</i>	Kelsey's locust		x		
Plants	Flowering plants	Hypericaceae	<i>Hypericum graveolens</i>			x		
Plants	Flowering plants	Hypericaceae	<i>Hypericum mitchellianum</i>	Blue Ridge St. Johns-wort		x		
Plants	Flowering plants	Lamiaceae	<i>Stachys cingulata</i>	Clingman's hedge nettle		x		
Plants	Flowering plants	Liliaceae	<i>Lilium grayi</i>	Gray's lily		x		
Plants	Flowering plants	Melanthiaceae	<i>Trillium simile</i>	jeweled wakerobin		x		
Plants	Flowering plants	Poaceae	<i>Arundinaria appalachiana</i>	hill cane		x		
Plants	Flowering plants	Poaceae	<i>Calamagrostis cainii</i>	Cain's reed-bent grass		x		
Plants	Flowering plants	Poaceae	<i>Glyceria nubigena</i>	Great Smoky Mountain mannagrass		x		
Plants	Flowering plants	Potamogetonaceae	<i>Potamogeton tennesseensis</i>			x		
Plants	Flowering plants	Rosaceae	<i>Geum radiatum</i>	spreading avens		x		
Plants	Flowering plants	Rosaceae	<i>Spiraea virginiana</i>	Virginia meadowsweet		x		
Algae	Cyanobacteria	Rivulariaceae	<i>Microchaete</i> n. sp.		x			
Algae	Green algae	Chaetophoraceae	<i>Draparnaldia appalachiana</i>		x			
Fungi	Common Gilled Mushrooms and Allies	Strophariaceae	<i>Pyrrhulomyces amariceps</i>		x			
Lichens	Arthoniomycetes	Arthoniaceae	<i>Arthonia cupressina</i>	golden spruce dots	x?	x		[4]
Lichens	Arthoniomycetes	Arthoniaceae	<i>Arthonia galligena</i>			x		[22]
Lichens	Arthoniomycetes	Arthoniaceae	<i>Arthonia kermesina</i>	hot dots		x		[4]
Lichens	Arthoniomycetes	Mycoporaceae	<i>Mycoporum biseptatum</i>	Forney flecks		x		[4]
Lichens	Dothideomycetes	Arthopyreniaceae	<i>Arthopyrenia betulicola</i>	birch spots		x		[4]
Lichens	Incertae sedis	Incertae sedis	<i>Phaeosporobolus fellhanerae</i>		x			[14]
Lichens	Lecanoromycetes	Caliciaceae	<i>Buellia sharpenii</i>	Evalyn's buttons	x	x		[4], [14]
Lichens	Lecanoromycetes	Cladoniaceae	<i>Cetradonia linearis</i> (syn. <i>Gymnoderma lineare</i> )	rock gnome lichen		x		[1], [4]
Lichens	Lecanoromycetes	Cladoniaceae	<i>Cladonia appalachensis</i>	Anakeesta cupless cups	x	x		[4], [14]
Lichens	Lecanoromycetes	Fuscideaceae	<i>Maronea constans</i>	legume lichen		x		[4]
Lichens	Lecanoromycetes	Gomphillaceae	<i>Gyalectidium appendiculatum</i>	flick-a-tick		x	1125851	[1], [4]
Lichens	Lecanoromycetes	Gomphillaceae	<i>Gyalideopsis pusilla</i>		x			[14]
Lichens	Lecanoromycetes	Graphidaceae	<i>Graphis sterlingiana</i>	Mt. Sterling's lips	x	x		[4]
Lichens	Lecanoromycetes	Lecanoraceae	<i>Lecanora anakeesticola</i>	dangle downs	x	x		[4], [14]

Lichens	Lecanoromycetes	Lecanoraceae	<i>Lecanora darlingiae</i>	Darling dumplings	x	[4], [14]
Lichens	Lecanoromycetes	Lecanoraceae	<i>Lecanora masana</i>	Masa's dots	x	[4]
Lichens	Lecanoromycetes	Lecanoraceae	<i>Lecanora sachsiiana</i>	Susan's sacs	x	[4]
Lichens	Lecanoromycetes	Lecideaceae	<i>Kephartia crystalligera</i>	Horace's ramble	x	[4]
Lichens	Lecanoromycetes	Lobariaceae	<i>Sticta fragilinata</i>	Tammy's pumpkin pails	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Alectoria fallacina</i>	bubbling witches' hair	x	[4], [14]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Anzia americana</i>	American spongepants	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna gondylophora</i>	surprise square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna imbricatula</i>	great horned square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna lividescens</i>	lesser square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna oostingii</i>	Oosting's square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna prolongata</i>	fringed square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna rockii</i>	Ole Joe's square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna taylorensis</i>	husky square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna thysanota</i>	mountain fly square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Hypotrachyna virginica</i>	Virginia square britches	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Parmotrema subsumptum</i>	land of cotton	x	[4]
Lichens	Lecanoromycetes	Parmeliaceae	<i>Punctelia reddenda</i>	mountain magnificence	x	[4]
Lichens	Lecanoromycetes	Pertusariaceae	<i>Pertusaria appalachensis</i>	sunshine sneak	x	[4]
Lichens	Lecanoromycetes	Physciaceae	<i>Rinodina brodoana</i>	Brodo's peppermint	x	[4]
Lichens	Lecanoromycetes	Pilocarpaceae	<i>Fellhanera eriniae</i>	Erin's mountain treasure	x	[1], [4], [14]
Lichens	Lecanoromycetes	Pilocarpaceae	<i>Fellhanera montesfumosi</i>	x	[1], [14]	
Lichens	Lecanoromycetes	Pilocarpaceae	<i>Micarea pycnidiorpha</i>	rare stag	x	[4]
Lichens	Lecanoromycetes	Ramalinaceae	<i>Bacidia lobarica</i>	bright balls	x	1125175 [1], [4]
Lichens	Lecanoromycetes	Stereocaulaceae	<i>Lepraria arboscula</i>	tree embellishment	x	[4]
Lichens	Lecanoromycetes	Stereocaulaceae	<i>Lepraria lanata</i>	Appalachian pillows	x	[4]
Lichens	Lichenomycetes	Lichenaceae	<i>Ephebe americana</i>	Halloween hair	x	[4]
Lichens	Lichenomycetes	Lichenaceae	<i>Ephebe solida</i>	after the deluge	x	[4]
Molluscs	Land snails	Ellobiidae	<i>Carychium arboreum</i>	tree thorn	x	[1]
Molluscs	Land snails	Helicodiscidae	<i>Helicodiscus hexodon</i>	toothy coil	x	[20]
Molluscs	Land snails	Haplotrematidae	<i>Haplotrema kendeighi</i>	blue-footed lancetooth	x	77002 [1], [17]
Molluscs	Land snails	Polygyridae	<i>Fumonelix jonesiana</i>	big-tooth covert	x	567615 [1], [13]
Molluscs	Land snails	Polygyridae	<i>Fumonelix langdoni</i>	talus covert	x	567719 [1]
Molluscs	Land snails	Polygyridae	<i>Inflectarius ferrissi</i>	Smokey Mountain covert	x	[1]
Molluscs	Land snails	Polygyridae	<i>Inflectarius versus</i>	fuzzy covert	x	[1]
Molluscs	Land snails	Polygyridae	<i>Mesodon altivagus</i>	wandering globe	x	567888 [1]
Molluscs	Land snails	Polygyridae	<i>Patera clarki nantahala</i>	Noonday helix	x	568503 [1]
Molluscs	Land snails	Polygyridae	<i>Stenotrema depilatum</i>	Great Smoky slitmouth	x	77582 [1]
Molluscs	Land snails	Zonitidae	<i>Glyphyalinia junaluskana</i>	light glyph	x	77151 [1]
Molluscs	Land snails	Zonitidae	<i>Glyphyalinia pentadelphia</i>	pink glyph	x	77157 [1]
Molluscs	Land snails	Zonitidae	<i>Mesomphix cupreus form politus</i>	varnish button	x	[1]
Molluscs	Land snails	Zonitidae	<i>Mesomphix latior form monticola</i>	Globe Broad Button	x	[1]
Molluscs	Land snails	Zonitidae	<i>Paravitrea clappi</i>	Mirey Ridge supercoil	x	77210 [1]
Molluscs	Land snails	Zonitidae	<i>Paravitrea umbilicaris form dentata</i>	toothed open supercoil	x	[1]
Molluscs	Land snails	Zonitidae	<i>Ventridens suppressus magnidens</i>	flat dome snail	x?	[21]
Arachnids	Acari	Torrenticolidae	<i>Torrenticola arktonyx</i>		x	
Arachnids	Acari	Torrenticolidae	<i>Torrenticola bondi</i>		x	[1], [10]
Arachnids	Acari	Torrenticolidae	<i>Torrenticola whitneyae</i>		x	
Arachnids	Aranea	Microhexuridae	<i>Microhexura montivaga</i>	spruce-fir moss spider	x	
Arachnids	Aranea	Nesticidae	<i>Nesticus barrowsi</i>		x	
Arachnids	Aranea	Nesticidae	<i>Nesticus binfordae</i>		x	
Arachnids	Aranea	Nesticidae	<i>Nesticus cherokeensis</i>		x	
Arachnids	Aranea	Nesticidae	<i>Nesticus dykemanae</i>		x	
Arachnids	Aranea	Nesticidae	<i>Nesticus secretus</i>		x	
Arachnids	Aranea	Nesticidae	<i>Nesticus stupkai</i>		x	[15]
Hexapods	Protura	Eosentomidae	<i>Eosentomon dureyi</i>		x	678961 [1], [8]
Hexapods	Protura	Eosentomidae	<i>Eosentomon montanum</i>		x	[8]
Hexapods	Protura	Eosentomidae	<i>Eosentomon pseudowheeleri</i>		x	[8]
Hexapods	Protura	Eosentomidae	<i>Eosentomon tennesseense</i>		x	678960 [1], [8]
Hexapods	Collembola	Neanuridae	<i>Intricatonura fjellbergi</i>		x	[7]
Insects	Plecoptera	Capniidae	<i>Allocapnia fumosa</i>	Smokies snowfly	x	102662 [1]
Insects	Plecoptera	Capniidae	<i>Allocapnia stannardi</i>	Blueridge snowfly	x	102666 [1]

Insects	Plecoptera	Chloroperlidae	<i>Haploperla parkeri</i>	Parker salfly	x	[1]
Insects	Plecoptera	Leuctridae	<i>Leuctra mitchellensis</i>	Mitchell needlefly	x	[1]
Insects	Plecoptera	Leuctridae	<i>Leuctra monticola</i>	Mountain needlefly	x	[1]
Insects	Plecoptera	Leuctridae	<i>Leuctra nephophila</i>	Clouded needlefly	x	[1]
Insects	Plecoptera	Leuctridae	<i>Megaleuctra williamsae</i>	Williams' Rare Winter Stonefly	x	[1]
Insects	Plecoptera	Nemouridae	<i>Soyedina kondratieffi</i>	Southeastern forestfly	x	[1]
Insects	Plecoptera	Nemouridae	<i>Zapada chila</i>	Smokies forestfly	x	[1], [9]
Insects	Plecoptera	Peltoperlidae	<i>Tallaperla elisa</i>	Highlands roachfly	x	[1]
Insects	Plecoptera	Peltoperlidae	<i>Viehoperla ada</i>	Pallid roachfly	x	[1]
Insects	Plecoptera	Perlidae	<i>Acroneuria petersi</i>	Etowah stone	x	[1]
Insects	Plecoptera	Perlidae	<i>Beloneuria georgiana</i>	Georgia stone	x	[1]
Insects	Plecoptera	Perlodidae	<i>Isoperla bellona</i>	Smokies stripetail	x	[1]
Insects	Plecoptera	Perlodidae	<i>Isoperla distincta</i>	twisted stripetail	x	[1]
Insects	Plecoptera	Perlodidae	<i>Yugus arinus</i>	Highlands springfly	x	[1]
Insects	Plecoptera	Perlodidae	<i>Remenus daniellae</i>			[2], [9]
Insects	Plecoptera	Perlodidae	<i>Remenus duffieldi</i>		x	[2]
Insects	Plecoptera	Taeniopterygidae	<i>Strophopteryx limata</i>	Newfound willowfly	x	[1]
Insects	Hemiptera	Cicadellidae	<i>Erasmoneura tricuspidata</i>		x	[11]
Insects	Coleoptera	Carabidae	<i>Anillinus cherokee</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Anillinus cieglerae</i>		x	932180 [1], [5]
Insects	Coleoptera	Carabidae	<i>Anillinus langdoni</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Anillinus loweae</i>		x	932192 [1], [5]
Insects	Coleoptera	Carabidae	<i>Anillinus moseleyae</i>		x	932195 [1], [5]
Insects	Coleoptera	Carabidae	<i>Anillinus murrayae</i>		x	932196 [1], [5]
Insects	Coleoptera	Carabidae	<i>Anillinus pusillus</i>		x	932199 [1], [5]
Insects	Coleoptera	Carabidae	<i>Anillinus steevesi</i>		x	932204 [1], [5]
Insects	Coleoptera	Carabidae	<i>Gastrellarius unicarum</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Nebria (Boreonebria) lacustris bellorum</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Nebria (Reductonebria) appalachia</i>		x	109508 [1], [5]
Insects	Coleoptera	Carabidae	<i>Pterostichus (Feronina) palmi</i>		x	110629 [1], [5]
Insects	Coleoptera	Carabidae	<i>Pterostichus (Monoferonia) carolinus fumorum</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Pterostichus (Monoferonia) primus</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Pterostichus (Paraferonia) lubricus</i>		x	110643 [1], [5]
Insects	Coleoptera	Carabidae	<i>Scaphinotus (Irachroa) irregularis</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Scaphinotus (Maronetus) debilis debilis</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Scaphinotus (Steniridia) andrewsi darlingtoni</i>		x	[1], [5]
Insects	Coleoptera	Carabidae	<i>Scaphinotus (Steniridia) guyottii</i>		x	931830 [1], [5]
Insects	Coleoptera	Carabidae	<i>Scaphinotus (Steniridia) tricarinatus</i>		x	109456 [1], [5]
Insects	Coleoptera	Carabidae	<i>Sphaeroderus bicarinatus</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) aduncus</i>		x	109340 [1]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) barberi</i>		x	109334 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) bowringi</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) clingmanensis</i>		x	932055 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) luculentus</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) nebulosus</i>		x	109342 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) novaculosus</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) pseudobarberi</i>		x	932063 [24]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) pseudonovaculosus</i>		x	932064 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) pseudosubtilis</i>		x	932065 [24]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) ramseyensis</i>		x	932066 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) schwarzi</i>		x	109323 [1]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) stefanschoedli</i>		x	932069 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) subtilis</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) tennesseensis tauricus</i>		x	933174 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) thunderheadensis</i>		x	932072 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) tonitru</i>		x	[5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) tuckaleechee</i>		x	[5]*
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) uncifer</i>		x	109337 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) valentinei</i>		x	932078 [1], [5]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) vandykei</i>		x	109332 [1]
Insects	Coleoptera	Carabidae	<i>Trechus (Microtrechus) verus</i>		x	109339 [1], [5]
Insects	Coleoptera	Cerambycidae	<i>Dasycerus bicolor</i>		x	[5]
Insects	Coleoptera	Cerambycidae	<i>Dasycerus carolinensis</i>		x	[5]
Insects	Coleoptera	Cerambycidae	<i>Micthysoma heterodoxum</i>		x	702959 [1], [5]
Insects	Coleoptera	Cerylonidae	<i>Mychocerus striatus</i>		x	[5]
Insects	Coleoptera	Chrysomelidae	<i>Psylliodes appalachianus</i>		x	[1], [5]

Insects	Coleoptera	Eucinetidae	<i>Tohlezkus inexpectus</i>		x	[5]
Insects	Coleoptera	Mycetophagidae	<i>Pseudotriphylus defoei</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Arianops digitata</i>	x	691492	[1], [5]
Insects	Coleoptera	Staphylinidae	<i>Arianops hiltenae</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Arianops unicoi</i>		x	[1], [5]
Insects	Coleoptera	Staphylinidae	<i>Batrisyymmodes suteri</i>		x	691359
Insects	Coleoptera	Staphylinidae	<i>Batrisodes auerbachii</i>		x	[1], [5]
Insects	Coleoptera	Staphylinidae	<i>Batrisodes spretoides</i>	Auerbach's antloving rove beetle	x	[1], [5]
Insects	Coleoptera	Staphylinidae	<i>Euboarhexius persctitus</i>		x	[5]
Insects	Coleoptera	Staphylinidae	<i>Euboarhexius trogasteroides</i>		x	691069
Insects	Coleoptera	Staphylinidae	<i>Eutypillus dybasi</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Eutypillus thoracicus</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Leptusa (Adoxopisalia) pseudosmokyensis</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Leptusa (Adoxopisalia) stocksi</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Leptusa (Dysleptusa) gimmeli</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Leptusa (Eucryptusa) ferroii</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Machaerodes carinatus</i>		x	[5]
Insects	Coleoptera	Staphylinidae	<i>Mipseltrus nicolayi</i>		x	[5]
Insects	Coleoptera	Staphylinidae	<i>Prespelea copelandi</i>	x	691498	[1], [5]
Insects	Coleoptera	Staphylinidae	<i>Prespelea quirsfeldi</i>		x	691522
Insects	Coleoptera	Staphylinidae	<i>Pseudactium alexanderi</i>		x	691094
Insects	Coleoptera	Staphylinidae	<i>Rhexius amyae</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Rhexius jaceus</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma baylessae</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma cataloochee</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma choujenkoi</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma gilae</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma gimmeli</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma majori</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma nicholsae</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma parkorum</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Sonoma tolulae</i>		x	[5]
Insects	Coleoptera	Staphylinidae	<i>Stenus clingmanmontis</i>	x		[5]
Insects	Coleoptera	Staphylinidae	<i>Stenus sandrae</i>	x		[5]
Insects	Lepidoptera	Crambidae	Crambidae n. sp.	x		[6]
Insects	Lepidoptera	Pyralidae	<i>Agriphila n. sp.</i>	x		[1]
Insects	Diptera	Dixidae	<i>Dixa elkmontensis</i>	x		[12]
Insects	Diptera	Psychodidae	<i>Threticus thelyceratus</i>		x	[18]
Insects	Diptera	Thaumaleidae	<i>Androprosopa thornburghae</i>	x		[19]
Insects	Diptera	Thaumaleidae	<i>Androprosopa vaillantiana</i>	x		[19]
Insects	Mecoptera	Panorpidae	<i>Panorpa flexa</i>	x	660921	[1]
Insects	Mecoptera	Panorpidae	<i>Panorpa longicornis</i>	x	660929	[1]
Insects	Siphonaptera	Ctenophthalmidae	<i>Catallagia appalachiensis</i>	x		[23]
Vertebrates	Amphibians	Plethodontidae	<i>Plethodon jordani</i>		x	173660
Vertebrates	Amphibians	Plethodontidae	<i>Desmognathus mavrokoilius</i>	red-cheeked salamander Blue Ridge Black-bellied Salamander, Pisgah Blac	x	[1]
Vertebrates	Amphibians	Plethodontidae	<i>Desmognathus imitator</i>	imitator salamander	x	173639
Vertebrates	Amphibians	Plethodontidae	<i>Desmognathus gvvigleusgwotli</i>	Cherokee Black-Bellied Salamander	x	[1]
Vertebrates	Amphibians	Plethodontidae	<i>Desmognathus wrighti</i>	Pigmy Salamander	x	173645
Vertebrates	Mammals	Sciuridae	<i>Glaucomys sabrinus coloratus</i>	Carolina northern flying squirrel	x	

97 142

**Totals**

Group	GSMNP endemics	Southern Appalachian endemics
Algae	2	
Arachnids	5	5
Fungi	1	
Hexapods	5	
Insects	54	55
Lichens	14	27
Molluscs	10	7
Plants	5	40
Vertebrates		6
Grand Total	96	140

**Sources:**

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- [10] Nichols, R. GRSM Mites checklist. Updated 16 June 2022.
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**Objective of this list and caveats:** The Smokies Endemic Species List is meant to give us a sense of the diversity of species that can only be found within the bounds of Great Smoky Mountains National Park or within the Park and surrounding Southern Appalachian region. This is a best effort but should not be considered exhaustive; it will be updated as new species are discovered within the Park, as species are discovered in new places, and as additional historic species records are uncovered.

**Definitions:**

- *GSMNP Endemic* - a species whose entire known range is only inside the boundary of Great Smoky Mountains National Park (shown in the following map).
- *Southern Appalachian Endemic* - for the purposes of this list, a species that (i) is known to occur in GSMNP, AND (ii) whose entire known range is limited to the Southern Appalachian Mountains (as defined by the SAMAB boundary, shown in the following map).
- Map showing boundaries:  
<https://www.google.com/maps/d/u/0/edit?mid=1egU22o69BEt8dZq2SZh7hq6aHsvXUk&ll=36.065378173847975%2C-82.221949&z=7>

**Species specific notes:**

- *Megaceros aenigmaticus* (=*Nothoceros aenigmaticus*): NPSpecies lists as park endemic but Southern Appalachian Bryophytes lists it as distributed in Central & South America as well (<https://www.southernappalachianbryophytes.org/nothocerosaenigmaticus.html>)
- *Trechus (Microtrechus) tuckaleechee* Barr: [5] lists it as endemic to GSMNP area (it's probably found just outside the park in Tuckaleechee)